Blank Fat Blood Intestine Festine Fest Treated Extracts Untreated Fig. 1. Reporting Cell Response to BNF and Tissue Extracts Treated Blank Blsnk ပ 500 400 300 200 100 40 20 30 BEQ (ng) in 1 g of tissue BNF equivalent (ng) Extracts 100<sub>0</sub>C Lung 520C 1000C DMSO Blank βNF 520C Blank œ, ш DW20 300 200 100 45 40 33 30 25 20 10 BNF equivalent (ng) BNF equivalent (ng) 10 100 1000 N. Base BNF concentrations Ваѕе N. Base Base Base N. Ba N. Base ä 5 3 BMF equivalent (ng) Luciferase activity in RLU

Fig. 2. Preliminary Purificiation of AhR Ligands

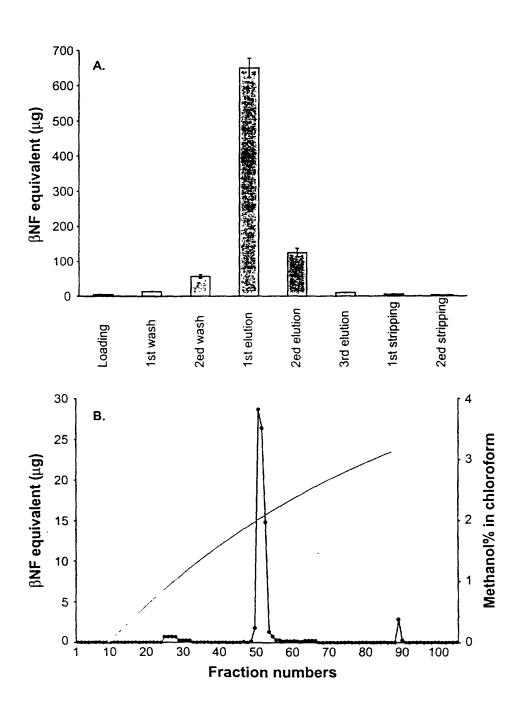


Fig. 3. HPLC Purification of AhR Ligands

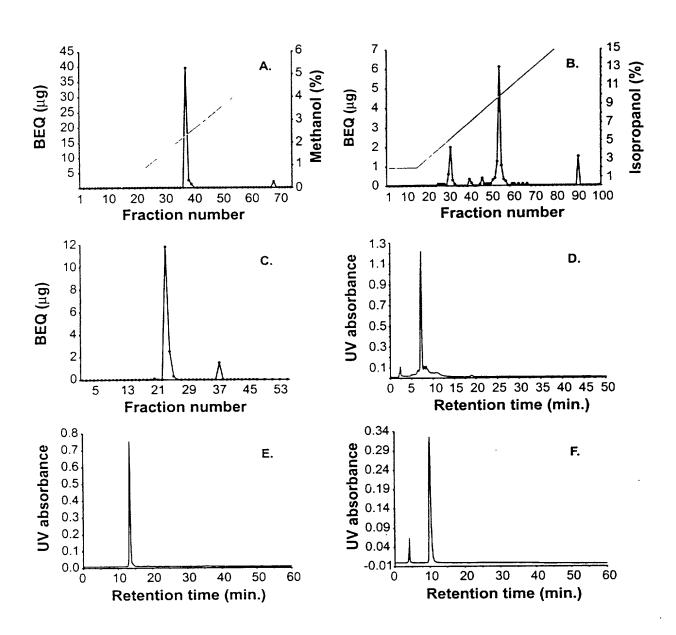


Fig. 4. HPLC Chromatogram and UV Spectrum of the Purified AhR Ligand

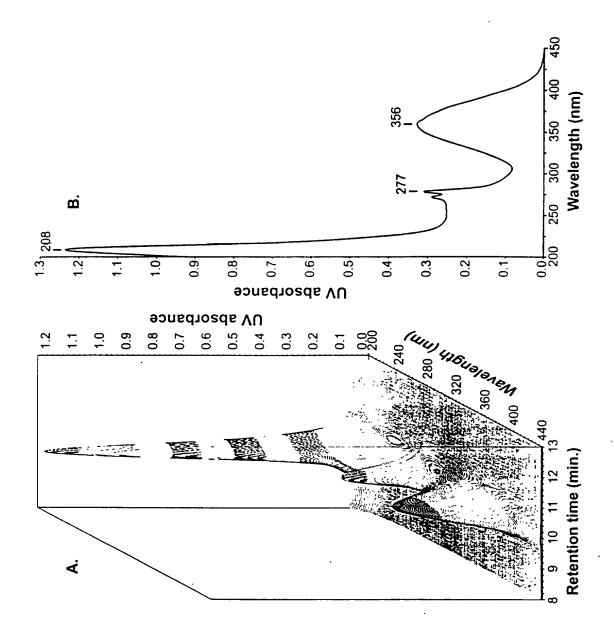


Fig. 5. Electron Impact Mass and FT-IR Spectra

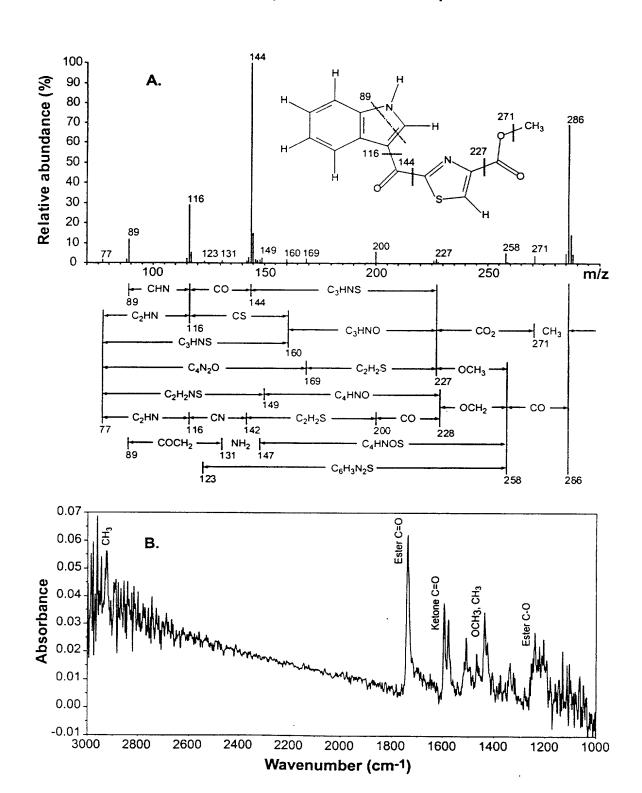
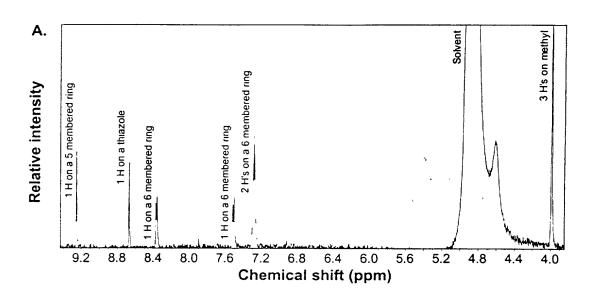


Fig. 6. Proton NMR Spectrum and Proton-carbon-13 Correlation



B.	<sup>1</sup> H	Number	HSQC	HMBC		
	(ppm)	of <sup>1</sup> H	<sup>13</sup> C (ppm)	<sup>13</sup> C (ppm)	<sup>13</sup> C (ppm)	<sup>13</sup> C (ppm)
	3.99	3	54.50	165.00		
	7.27	1	125.10			
	7.28	1	126.15			
	7.50	1	114.45	125.10	129.50	
	8.36	1	124.25	126.15	139.50	
	8.67	1	135.25	150.10	173.10	
	9.25	1	141.05	115.10	129.50	139.50

Fig. 7. The Structure of ITE and Dose Responses of ITE and  $\beta NF$ 

